



mailing of a Notice of Allowance showing the correct mailing date and withdrawal of the holding of abandonment.

In support of this petition, Applicants provide enclosed written statements under 37 C.F.R. § 1.181 and a copy of a docket record for the above-identified application as Exhibit A.

Applicants do not feel that a fee is necessary at this time, but if the sum of \$130.00 is due under 37 C.F.R. § 1.17 (h), the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely and acceptable to the Deposit Account No. 20-0782/AMAT/4714.P1/KMT.

Respectfully submitted,



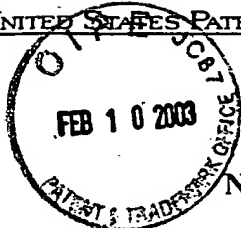
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Attorney for Assignee



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov



2003 JAN 22 PM 1:00

\$IF 11-13-02

## NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

08/13/2002

APPLIED MATERIALS, INC.  
2881 SCOTT BLVD. M/S 2061  
SANTA CLARA, CA 95050

COMPUTER ENTERI  
JAN 24 2003

EXAMINER

ZARNEKE, DAVID A.

ART UNIT

CLASS-SUBCLASS

2827

438-685000

DATE MAILED: 08/13/2002

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/678,266	10/03/2000	Ming Xi	004714 PO1	4642

TITLE OF INVENTION: METHOD AND APPARATUS FOR DEPOSITING REFRACTORY METAL LAYERS EMPLOYING SEQUENTIAL DEPOSITION TECHNIQUES TO FORM A NUCLEATION LAYER

Match and Return

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	11/13/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

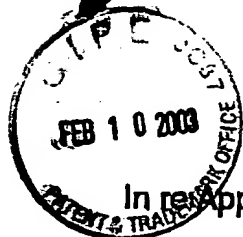
☐ Applicant claims SMALL ENTITY status.  
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT  
Atty. Docket No. AMAT/4714.P1/TCG/WCVD/BG



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Kori, et al.

**Serial No.: 09/678,266**

**Confirmation No.: 4642**

**Filed:      October 3, 2000**

**For: METHOD AND APPARATUS FOR  
DEPOSITING REFRACTORY METAL  
LAYERS EMPLOYING SEQUENTIAL  
DEPOSITION TECHNIQUES TO  
FORM NUCLEATION LAYER**

**Box DAC  
Commissioner for Patents  
Washington, D.C. 20231**

**Dear Sir,**

**CERTIFICATE OF MAILING**  
**37 CFR 1.8**

I hereby certify that this correspondence is being deposited on  
02/04, 2003 with the United States Postal Service  
as First Class Mail in an envelope addressed to  
Commissioner for Patents, Box DAC, Washington, D.C.  
20231.

02/04/03                      Kurt Z Zbr  
Date                                      Signature

**STATEMENT BY GAILE P. BAILEY**

**I, Gaile P. Bailey, am providing the following statement under 37 CFR 1.181:**

I am the Docketing Administrator for Applied Materials Inc., of Santa Clara, California. I am responsible for receiving and docketing every official communication from the United States Patent and Trademark Office. As of today, I have not received a Notice of Allowance for the above-identified application other than the Notice of Allowance dated August 13, 2002 that we received on January 24, 2003 in an envelope postmarked January 13, 2003. A copy of the docket record (Exhibit A) is enclosed herewith to indicate absence of timely receipt of the Notice of Allowance.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may

02/03/03 11:41 FAX 408 563 6492

APPLIED MATERIALS

→ PATTERSON

4003

Jan-31-03 11:30am From-Moser, Patterson & Sheridan L.L.P.

+713 623 4846

T-888 P.003/003 F-057

PATENT

Any. Docket No. AMAT/4714.P1/TCG/WCVD/BG

jeopardize the validity of the application, any patent issuing thereon, or any patent to which the verified statement is directed.



Gaile P. Bailey  
Docketing Administrator  
Applied Materials, Inc.,  
P.O. Box. 458  
Santa Clara, California 95052

Date Signed: 2.3.2003

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Docket Number	004714	Attorney	Walter Benjamin Glenn
Country	United States	Law Firm	Moser, Patterson & Sheridan, L
Case Type	REGULAR CASE TYPE	Client\Division	Cu, PVD and Integrated Syster
Relation Type	CONTINUATION-IN-PART	Current Owner	Applied Materials, Inc.
Filing Type	NATIONAL CASE	Previous Owner	
Filing Number	01	AMJ#	

## METHOD AND APPARATUS FOR DEPOSITING REFRACTORY METAL LAYERS EMPLOYING

Licenses	Other No's	SAP Dkt No	Related Id	Title	Text	SAP/CC#	Product	Alt Cmts
Filing Data	Rel Pty Info	Asgn/Archive	Actions	Description	Expenses	Ext Files	Inventors	Keywords
Action	Action Due Date	Taken Date	Deadline Date	Completed Date	Action Notes			
NOTICE OF MISSING	02/06/2001			02/06/2001	signa			
INVENTOR FILING	02/21/2001			03/08/2002				
EPC SEARCH/POSS IDS	01/15/2002			10/31/2001				
INVENTOR FILING	02/21/2002			03/08/2002	FOR			
RESTRICTION	05/23/2002	05/03/2002		05/06/2002	To			
ISSUE FEE DUE	11/13/2002	01/24/2003			1-24-			
RESPONSE TO	02/20/2003							
DECISION GRANTING				06/26/2002	W/D			
REVOCATION OF				07/10/2002	PWR			
SUPPLEMENTAL IDS				05/24/2002				
FILE ASSIGNMENT				10/15/2001	ASG			
SUPPLEMENTAL IDS				11/08/2001				

Created: 10/09/2000 Updated: 01/29/2003 2:16 PM By: DJB



Docket Number

004714

Attorney

Walter Benjamin Glenn

1-24-2003-This just in from Patent Office - sent to Todd, cc'd ben to contact PTO regarding late mailing of PTO docs to AMAT/SRG

OK

Cancel

Date			Date		Party w/
02/06/2001			02/06/2001	signatures to MW on	
02/21/2001			03/08/2002		
01/15/2002			10/31/2001		
02/21/2002			03/08/2002	FOR LU & LAI./DB	
05/23/2002	05/03/2002		05/06/2002	To TP/SRG	
11/13/2002	01/24/2003			1-24-2003-This just in	...
02/20/2003					
			06/26/2002	W/D BROOKS AS	
			07/10/2002	PWR FILED 5/2/2002	
			05/24/2002		
			10/15/2001	ASG DUE TO ADD LU,	
			11/08/2001		

Created: 10/09/2000

Updated: 01/29/2003 2:16 PM

By: DJB

Start

GaileB1's Buddy List ...

Gaile Bailey - Inbox - ...

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Document1 - Micros...

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PATENT  
Atty. Docket No. AMAT/4714.P1/TCG/WCVD/BG

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Kuri, et al.

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LAYERS EMPLOYING SEQUENTIAL  
DEPOSITION TECHNIQUES TO  
FORM NUCLEATION LAYER

Box DAC  
Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Group Art Unit: 2827

Examiner: Zarneke, David

CERTIFICATE OF MAILING	
37 CFR 1.8	
I hereby certify that this correspondence is being deposited on 02/04/03, 2003 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Box DAC, Washington, D.C. 20231.	
02/04/03 Date	<i>[Signature]</i> Signature

## STATEMENT BY SHERI GRIFFIN

I, Sheri Griffin, am providing the following statement under 37 CFR 1.181:

I am a Patent Administrator for Applied Materials Inc., of Santa Clara, California. My responsibility includes managing the documentations in connection with the prosecution of the above-identified application. I have searched the file jacket for the above-identified application and as of today, I have not found a Notice of Allowance for the referenced case other than the Notice of Allowance dated August 13, 2002 that we received on January 24, 2003 in an envelope postmarked January 13, 2003.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may



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Jan-31-03 11:31am

From-Moser, Pat & Sheridan L.L.P.

T-889 P.003/003 F-058

PATENT  
Atty. Docket No. AMA1/4714.P1/ICG/MCVD/BG

jeopardize the validity of the application, any patent issuing thereon, or any patent to which the verified statement is directed.

  
\_\_\_\_\_  
Sheri Griffin  
Patent Administrator  
Applied Materials, Inc.,  
P.O. Box 458  
Santa Clara, California 95052

Date Signed: 1-31-2003

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